

MDL -Flight Quality ASIC Process Flow

PRODUCT
SPECIFICATION
DEVELOPED

PACKAGE
QUALIFICATION

Appropriate Releases
are made – for DOE
AER, CER, DTER,
and quality plan PQ.
QER 1-4 with IER as
product progresses.

PARTS INSPECTED AND SENT TO HIGH REL
ASSEMBLY. PACKAGED PER MIL-STD-883
CLASS-S

TEST PROGRAM RELEASE APPROVED AND
RELEASED FOR PRODUCTION – UNDER
REVISION CONTROL

INITIAL ELECTRICAL @ ROOM, HOT AND
COLD – PER CUSTOMER REQUIREMENT OR
MIL-STD RANGES –55, ROOM AND +125C

DYNAMIC BURN-IN – 120 HOURS VDD-6.0V

INTERIM ELECTRICAL - RHC

STATIC BURN-IN – 168 HRS VDD=6.0V

POST STATIC ELECTRICAL ROOM ONLY

FINAL ELECTRICAL - HOT AND COLD

PRODUCT ENGINEERING DATA REVIEW

PRODUCT ENGINEERING DATA REVIEW

QUALITY REVIEW AND APPROVAL

CUSTOMER SOURCE INSPECTION, IF REQ.

PACK AND SHIP